

## CLAIMS

What is claimed is:

1. A method of video object feature data generation, comprising:
  - (a) extracting a first set of features from a moving object detected in a sequence of images;
  - (b) extracting a sequence of grid blocks corresponding to motion of said object in said sequence of images; and
  - (c) storing said first set of features and said sequence of grid blocks.
2. The method of claim 1, wherein:
  - (a) said extracting of step (a) of claim 1 includes extracting features in every image in said sequence containing said object.
3. The method of claim 1, further comprising:
  - (a) for each of said grid blocks of step (b) of claim 1, extracting features and associating said grid-block extracted features with said grid block sequence.
4. The method of claim 1, wherein:
  - (a) said first set of extracted features of step (a) of claim 1 includes a color histogram.
5. A method of searching for a video object, comprising:
  - (a) providing a database of feature vectors of video objects;
  - (b) providing a target feature vector;
  - (c) comparing said target feature vector to each feature vector of said database;
  - (d) ranking said feature vectors of said database according to the results of step (c); and
  - (e) finding video objects by an association of video objects with said feature vectors of said database together with the results of step (d).

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